[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]/[illegible]

[illegible]

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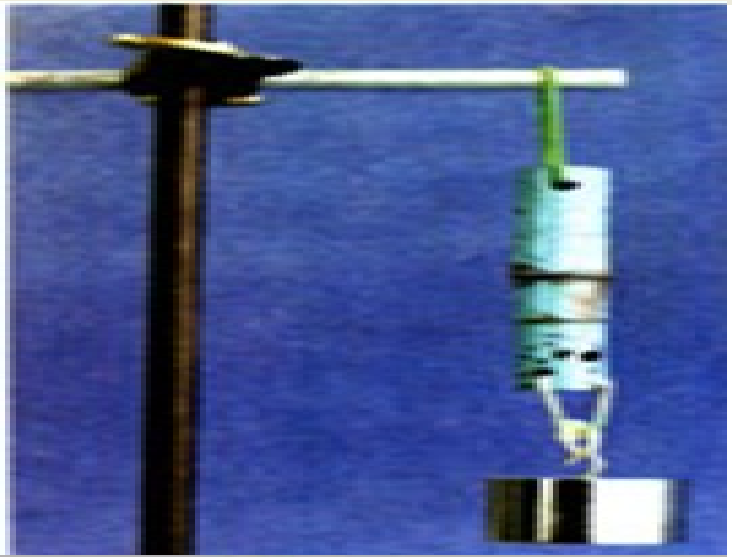

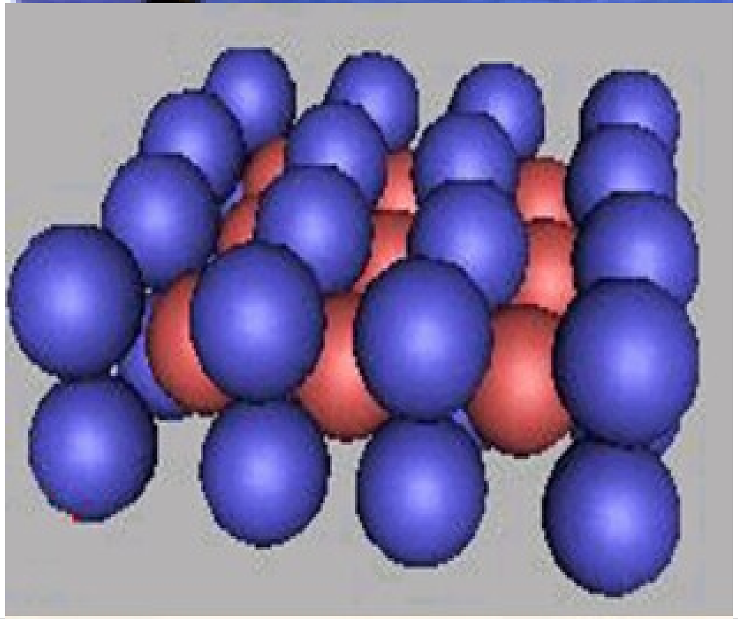

[illegible] [illegible]

[illegible]3[illegible] [illegible]

1.

2.

3.

4.

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1

2

3

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[illegible]

[illegible]

[illegible]

[illegible] r [illegible] $10r_0$ [illegible]. [illegible]

[illegible].

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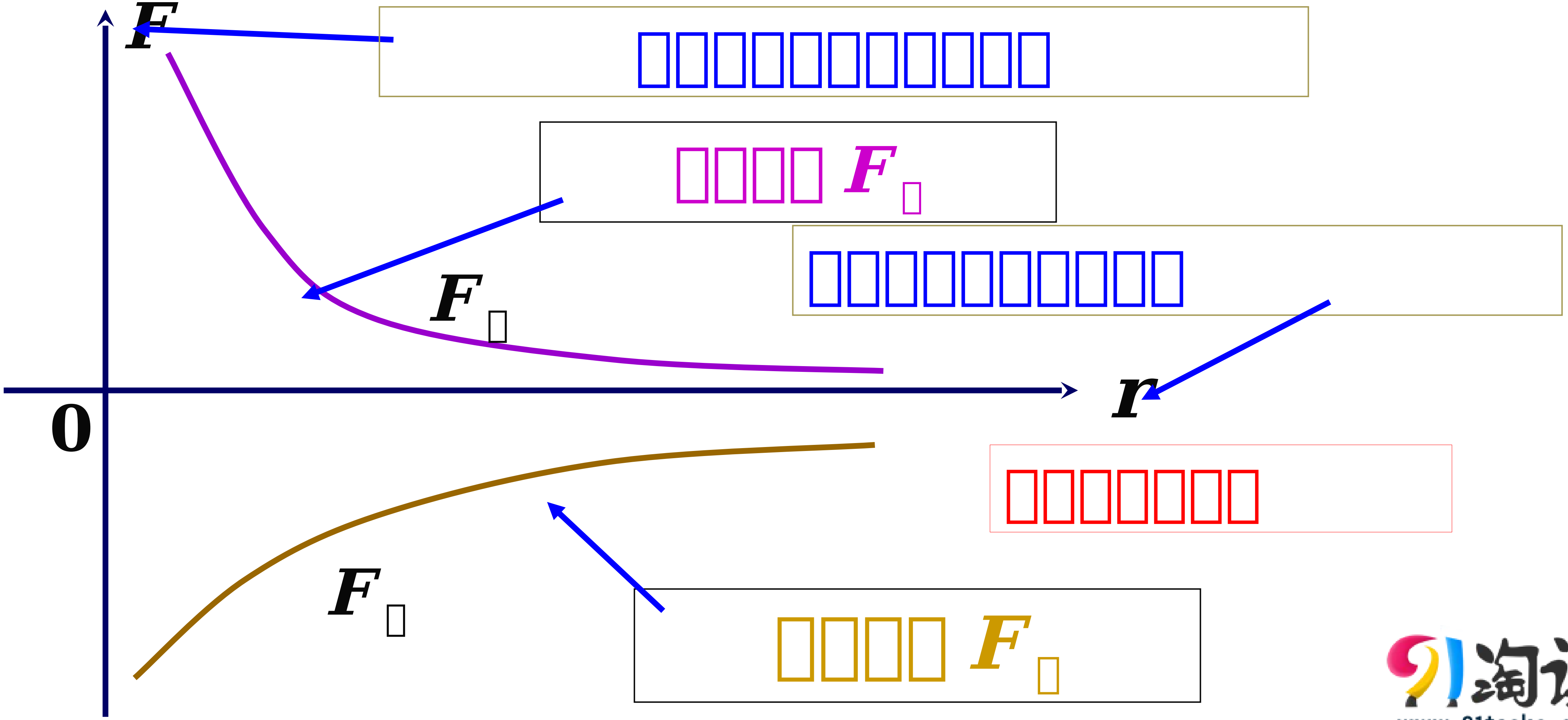

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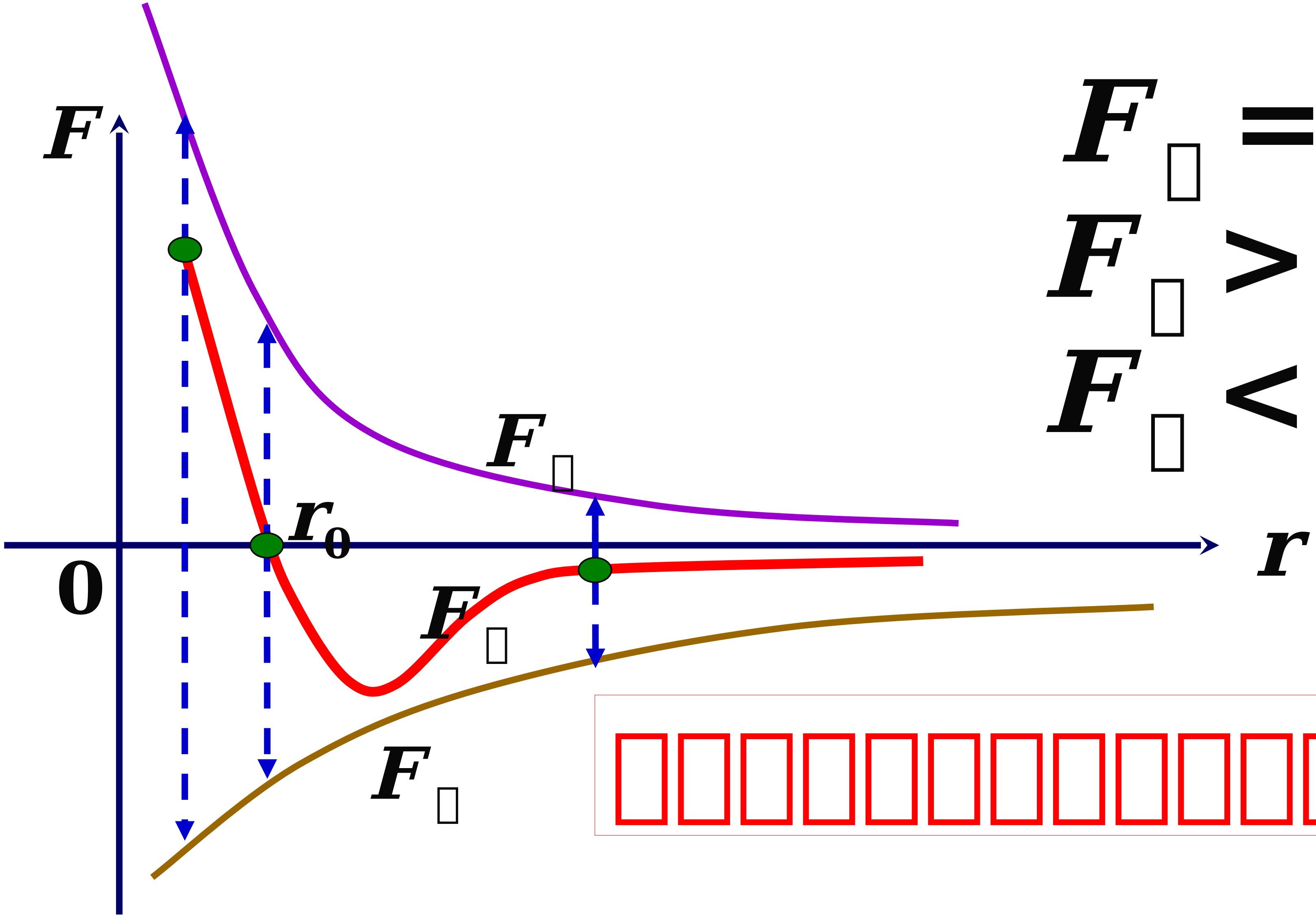
[illegible]——[illegible]



$F_{[illegible]} = F_{[illegible]}$

$F_{[illegible]} > F_{[illegible]}$

$F_{[illegible]} < F_{[illegible]}$

[illegible]

r_0

.

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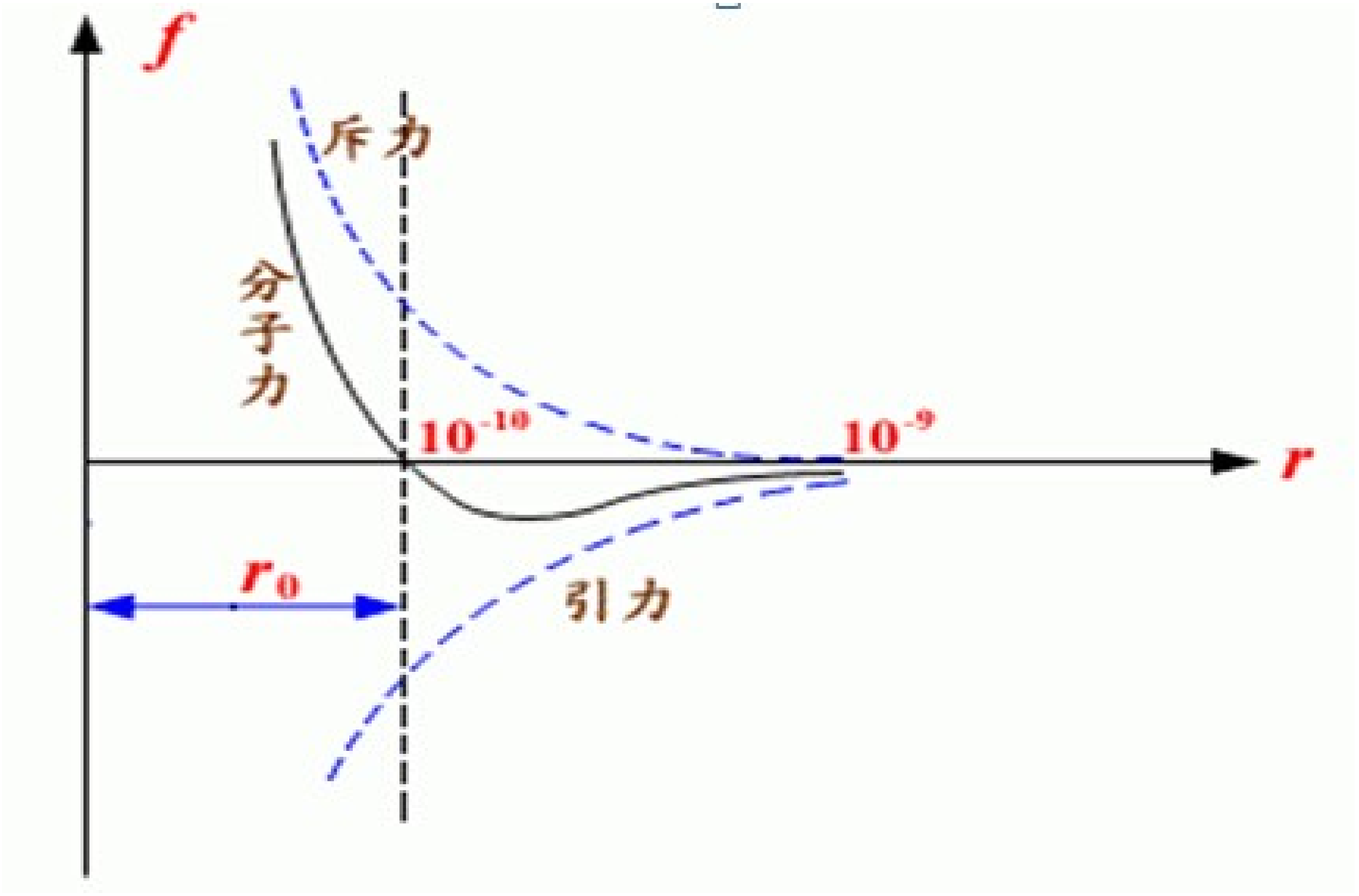
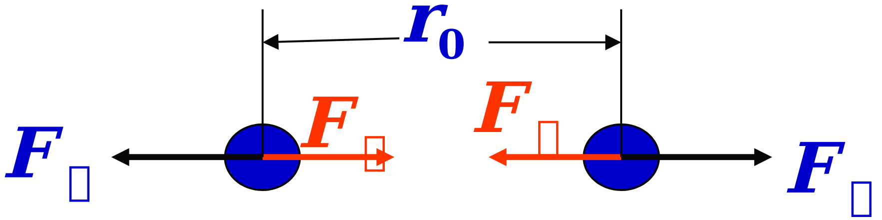
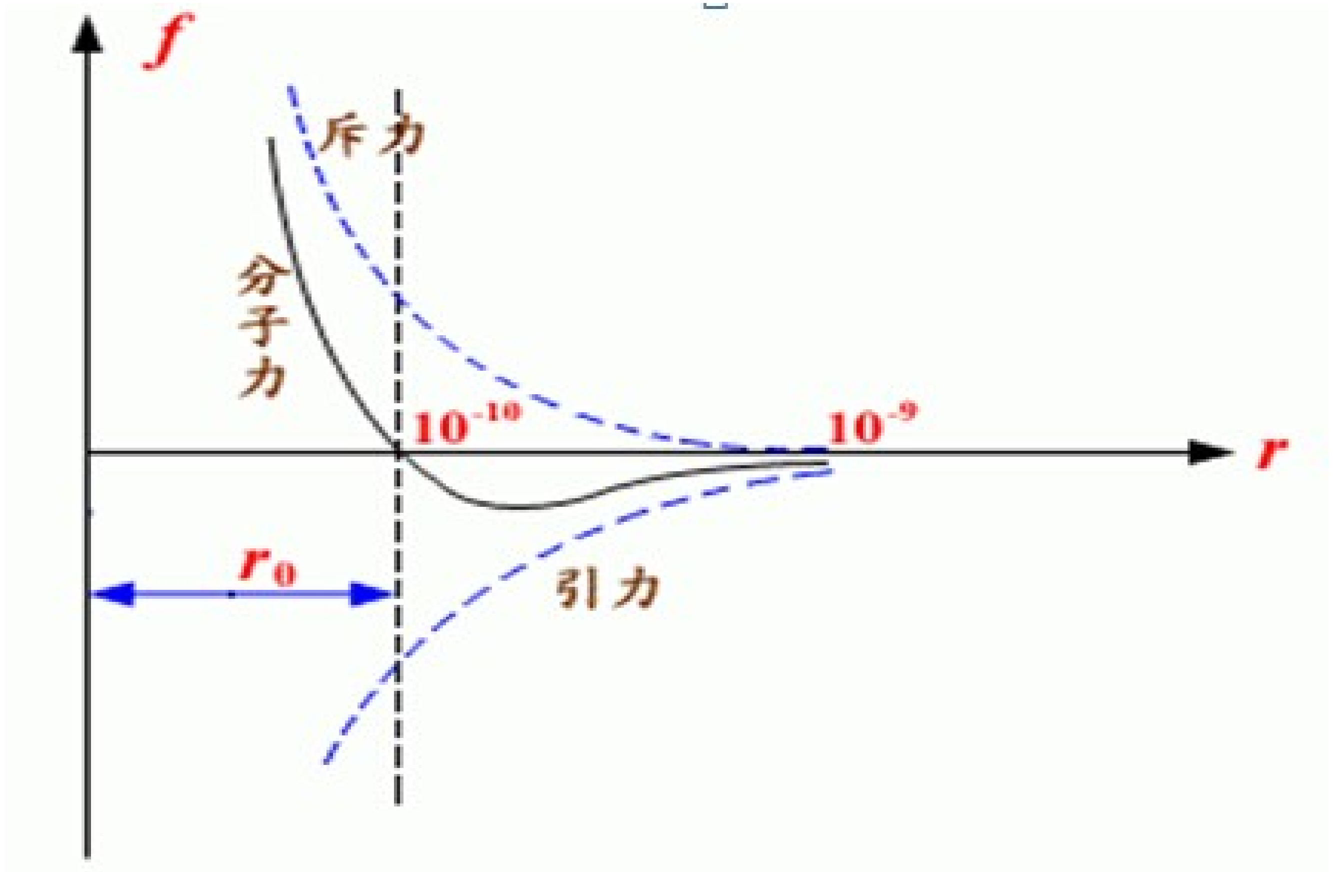
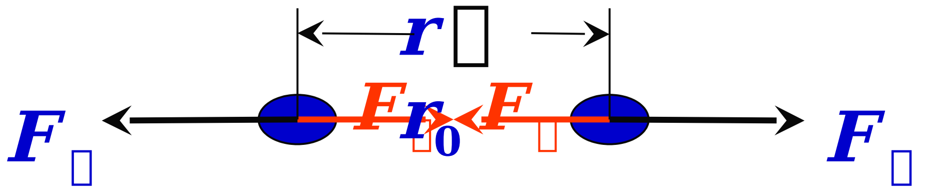
□□□□□





□1□□ $r=r_0=10^{-10}$m □□ F □ $F_□$□□□□ $F_□$□ □□□□□□

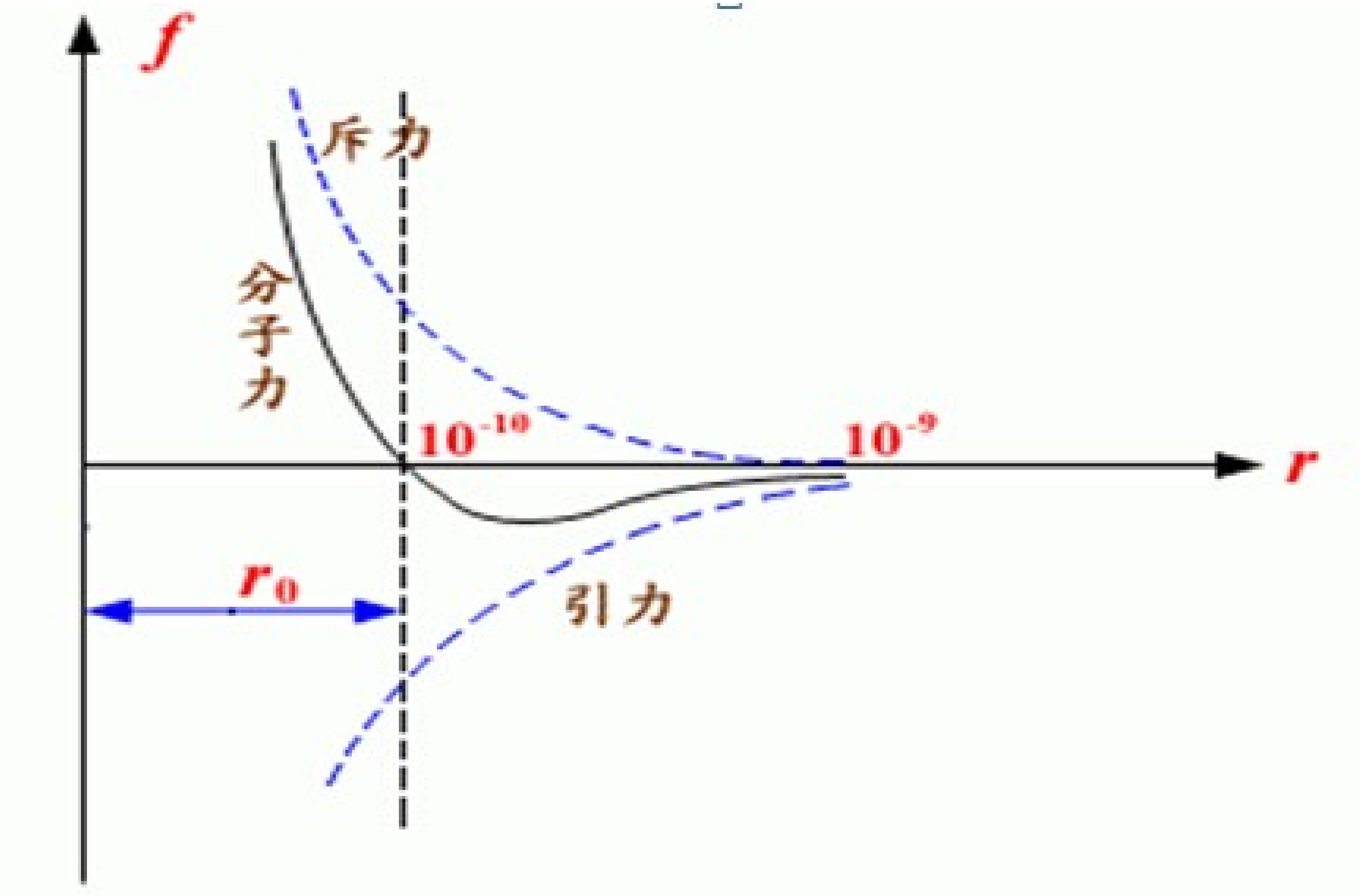


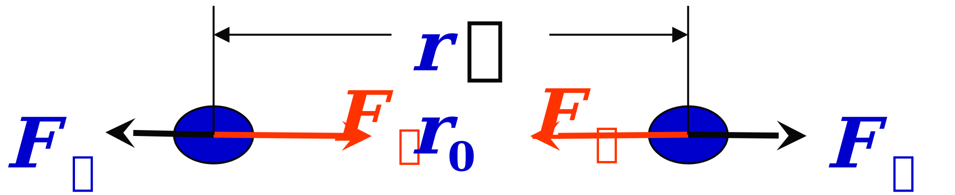


(2) r r_0 r F F [ ] [ ] F F

r

[illegible]





(3) [illegible] r [illegible] r_0 [illegible] r [illegible] F[illegible] F[illegible] [illegible] F[illegible] F [illegible]

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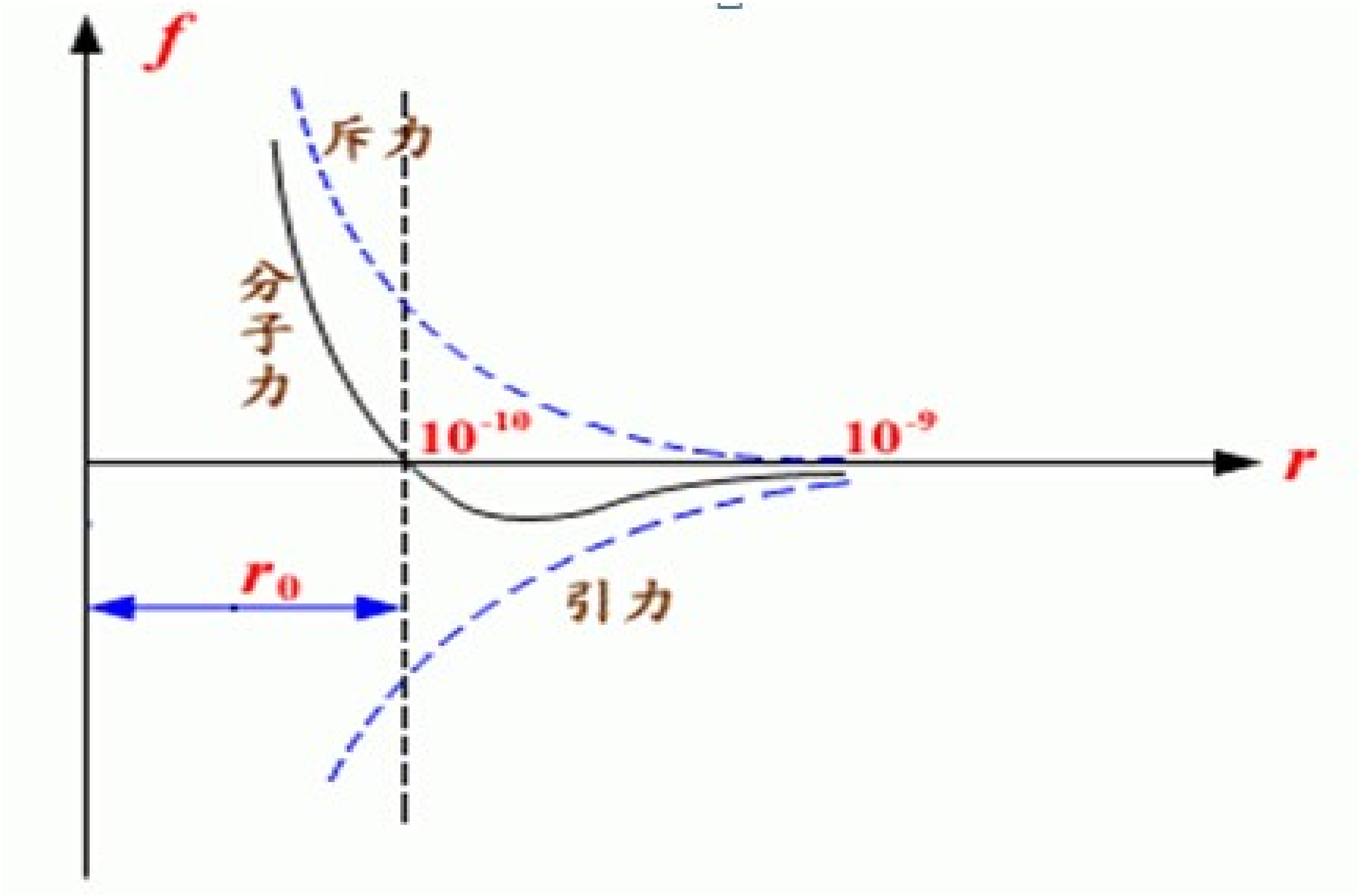
□□□□□

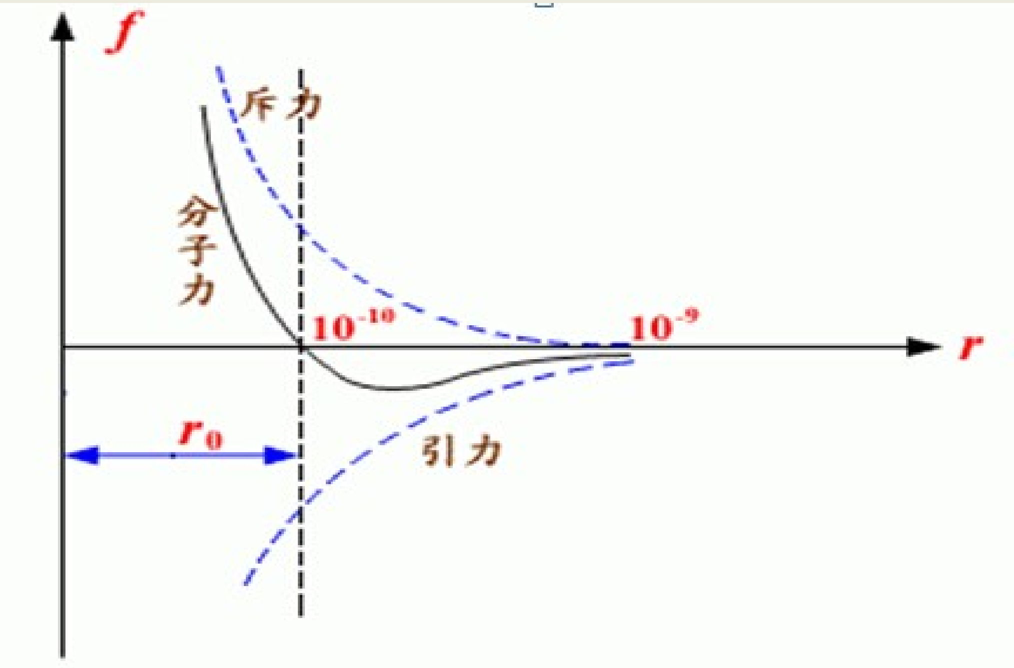


□4□□ r □ $10r_0$ □□□□□□□□ =0

[illegible]

[illegible] $10r_0$ [illegible]

[illegible]



$\boldsymbol{F}_{[illegible]}$[illegible] $\boldsymbol{F}_{[illegible]}$[illegible], $\boldsymbol{F}_{[illegible]}$ ([illegible])[illegible]

[illegible], [illegible]([illegible])

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[illegible]

[illegible].

① [illegible] $r>r_0$ [illegible] r [illegible] r [illegible]

[illegible].

② [illegible] $r<r_0$ [illegible] r [illegible] r [illegible]

[illegible].

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[illegible] r_0 [illegible]

A. [illegible] $r<r_0$ [illegible]

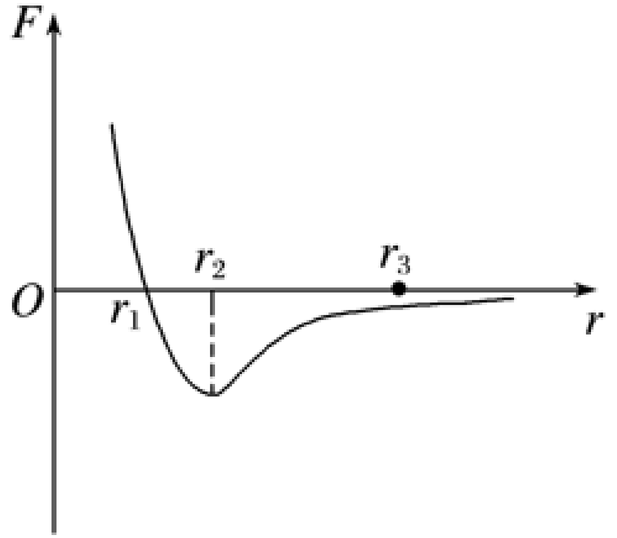
B. [illegible] r [illegible] r_0 [illegible]

C. [illegible] $0.5r_0$ [illegible] $10r_0$ [illegible]

√ D. [illegible] $0.5r_0$ [illegible] $10r_0$ [illegible]

CD [illegible]

例：(多选)甲分子固定在坐标原点O，乙分子位于r轴上，甲、乙两分子间分子力与分子间距离关系图象如图所示.现把乙分子从r_3处由静止释放，则



√ A.乙分子从r_3到r_1一直加速

B.乙分子从r_3到r_2过程中两分子间的分子力表现为引力，从r_2到r_1过程中两分子间的分子力表现为斥力

√ C.乙分子从r_3到r_1过程中，两分子间的分子力先增大后减小

√ D.乙分子从r_3到距离甲最近的位置过程中，两分子间的分子力先做正功后做负功

ABC [illegible] **r3** [illegible] **r1** [illegible]

D. [illegible]

[illegible]

1. [illegible]

- [illegible]
- [illegible]
- [illegible]

2. [illegible]

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[illegible]

1. [illegible]

(1) [illegible].

(2) [illegible]. [illegible].

2. [illegible]

[illegible].

[illegible]	[illegible]	[illegible]
[illegible]	① [illegible] ② [illegible] ③ [illegible]	① [illegible] ② [illegible]
[illegible]	① [illegible] ② [illegible] ③ [illegible]	① [illegible] ② [illegible]
[illegible]	① [illegible] ② [illegible] ③ [illegible]	① [illegible] ② [illegible] ③ [illegible]

[illegible] ([illegible]) [illegible]

√

A. [illegible]

B. [illegible]

B. [illegible]

C. [illegible] ([illegible]) [illegible]

[illegible]

D. [illegible]

√

C. [illegible]

[illegible]

[illegible]

1. [illegible]

[illegible].

2. [illegible].

3. [illegible]

[illegible].

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